

Attorney Docket No.: RU-0130  
Inventors: Yurkow and Mermelstein  
Serial No.: 09/913,435  
Filing Date: February 2, 2002  
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**Amendments to the Specification:**

Please replace the paragraph at page 5 beginning at line 5 with the following:

The function of redox clamping agents is not solely to deplete cellular levels of antioxidants, thiols, or antioxidant proteins/enzymes (i.e., metallothionein, glutathione reductase, etc.). Rather, the reason for the application of redox clamping agents to living systems is to adjust and maintain the relative amounts of (redox defining) cellular constituents such that a specific redox condition is sustained. In this respect, redox clamping agents are distinct from agents that simply deplete cellular GSH or decrease the expression or cellular levels of antioxidant proteins or enzymes. Unlike redox clamping agents, such agents do ~~no~~ not oppose the readjustments of the redox state following treatment.